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| FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE<br>(REV. 12-2004)   |  | ATTORNEY'S DOCKET NUMBER<br>524287-0353585(WAA-347-PCT-US)          |
| <b>TRANSMITTAL LETTER TO THE UNITED STATES</b><br><b>DESIGNATED/ELECTED OFFICE (DO/EO/US)</b><br><b>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>  |  | U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br><b>10/588967</b> |
| INTERNATIONAL APPLICATION NO.<br>PCT/US2005/004180   | INTERNATIONAL FILING DATE<br>11 FEBRUARY 2005 (11.02.2005) | PRIORITY DATE CLAIMED<br>13 FEBRUARY 2004 (13.02.2004)              |
| TITLE OF INVENTION<br><b>APPARATUS AND METHOD FOR IDENTIFYING PEAKS IN LIQUID CHROMATOGRAPHY/MASS SPECTROMETRY AND FOR FORMING SPECTRA AND CHROMATOGRAMS</b>   |  |   |
| APPLICANT(S) FOR DO/EO/US<br><b>GORENSTEIN, Marc, V; PLUMB, Robert, S.; and STUMPF, Chris L.</b>   |  |   |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:  |  |   |
| <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))           <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</li> <li>11. <input type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409).</li> <li>12. <input type="checkbox"/> A copy of the International Search Report (PCT/ISA/210).</li> </ol> |  |   |
| <b>Items 13 to 23 below concern document(s) or information included:</b>   |  |   |
| <ol style="list-style-type: none"> <li>13. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>14. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>15. <input type="checkbox"/> A <b>FIRST</b> preliminary amendment.</li> <li>16. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li> <li>17. <input type="checkbox"/> A substitute specification.</li> <li>18. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>19. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</li> <li>20. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li>21. <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).</li> <li>22. <input type="checkbox"/> Express Mail Label No.</li> <li>23. <input checked="" type="checkbox"/> Other items or information:<br/> <div style="margin-left: 20px;"> <b>Acknowledgement Postcard; Copy of PCT Request; Notification Concerning Submission or Transmittal of Priority Document (Form PCT/IB/304)</b> </div> </li> </ol>  |  |   |

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| U.S. APPLICATION NO (if known, see 37 CFR 1.5)<br><div style="font-size: 1.5em; font-weight: bold;">10/588967</div>   |              | INTERNATIONAL APPLICATION NO.<br><div style="font-weight: bold;">PCT/US2005/004180</div> |            | ATTORNEY'S DOCKET NUMBER<br><div style="font-weight: bold;">524287-0353585(WAA-347)</div>   |              |  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
|---|--------------|--|------------|---|--------------|--|------------|--------------|-----------|-----------|------------|---|---------|-------------|------------|---|--|-------------|--|---------|--|
| 24. The following fees are submitted:<br><input checked="" type="checkbox"/> a) Basic national fee ..... \$300.00<br><input checked="" type="checkbox"/> b) Examination fee ..... \$200.00<br><input checked="" type="checkbox"/> c) Search fee ..... \$500.00<br><div style="text-align: right; font-weight: bold;">TOTAL OF ABOVE CALCULATIONS = \$1000.00</div>  |              |  |            | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">Applicant use</th> <th style="width: 50%;">Office use</th> </tr> <tr> <td>\$ 300.00</td> <td></td> </tr> <tr> <td>\$ 200.00</td> <td></td> </tr> <tr> <td>\$ 500.00</td> <td></td> </tr> <tr> <td>\$ 1,000.00</td> <td></td> </tr> </table> |              | Applicant use  | Office use | \$ 300.00    |           | \$ 200.00 |            | \$ 500.00   |         | \$ 1,000.00 |            |   |  |             |  |         |  |
| Applicant use   | Office use   |  |            |   |              |  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| \$ 300.00   |              |  |            |   |              |  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| \$ 200.00   |              |  |            |   |              |  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| \$ 500.00   |              |  |            |   |              |  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| \$ 1,000.00   |              |  |            |   |              |  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| <input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.<br><table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 20%;">Total Sheets</th> <th style="width: 20%;">Extra Sheets</th> <th style="width: 20%;">Number of each additional 50 or fraction thereof (round up to a whole)</th> <th style="width: 20%;">RATE</th> </tr> <tr> <td>116 - 100 =</td> <td>16 /50 =</td> <td>1</td> <td>x \$250.00</td> </tr> </table>  |              |  |            | Total Sheets  | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole) | RATE       | 116 - 100 =  | 16 /50 =  | 1         | x \$250.00 | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>\$ 250.00</td> <td></td> </tr> </table> |         | \$ 250.00   |            |   |  |             |  |         |  |
| Total Sheets  | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole)                   | RATE       |   |              |  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| 116 - 100 =   | 16 /50 =     | 1  | x \$250.00 |   |              |  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| \$ 250.00   |              |  |            |   |              |  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).<br><table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 20%;">CLAIMS</th> <th style="width: 20%;">NUMBER FILED</th> <th style="width: 20%;">NUMBER EXTRA</th> <th style="width: 20%;">RATE</th> </tr> <tr> <td>Total claims</td> <td>69 - 20 =</td> <td>49</td> <td>x \$50.00</td> </tr> <tr> <td>Independent claims</td> <td>3 - 3 =</td> <td>0</td> <td>x \$200.00</td> </tr> </table>   |              |  |            | CLAIMS  | NUMBER FILED | NUMBER EXTRA   | RATE       | Total claims | 69 - 20 = | 49        | x \$50.00  | Independent claims  | 3 - 3 = | 0           | x \$200.00 | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>\$ 2,450.00</td> <td></td> </tr> <tr> <td>\$ 0.00</td> <td></td> </tr> </table> |  | \$ 2,450.00 |  | \$ 0.00 |  |
| CLAIMS  | NUMBER FILED | NUMBER EXTRA   | RATE       |   |              |  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| Total claims  | 69 - 20 =    | 49   | x \$50.00  |   |              |  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| Independent claims  | 3 - 3 =      | 0  | x \$200.00 |   |              |  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| \$ 2,450.00   |              |  |            |   |              |  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| \$ 0.00   |              |  |            |   |              |  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| MULTIPLE DEPENDENT CLAIMS (if applicable) <input type="checkbox"/> + \$360.00   |              |  |            | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>\$ 0.00</td> <td></td> </tr> </table>   |              | \$ 0.00  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| \$ 0.00   |              |  |            |   |              |  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| TOTAL OF ABOVE CALCULATIONS =   |              |  |            | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>\$ 3,700.00</td> <td></td> </tr> </table>   |              | \$ 3,700.00  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| \$ 3,700.00   |              |  |            |   |              |  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.  |              |  |            | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>\$ 0.00</td> <td></td> </tr> </table>   |              | \$ 0.00  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| \$ 0.00   |              |  |            |   |              |  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| SUBTOTAL =  |              |  |            | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>\$ 3,700.00</td> <td></td> </tr> </table>   |              | \$ 3,700.00  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| \$ 3,700.00   |              |  |            |   |              |  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).   |              |  |            | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>\$ 0.00</td> <td></td> </tr> </table>   |              | \$ 0.00  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| \$ 0.00   |              |  |            |   |              |  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| TOTAL NATIONAL FEE =  |              |  |            | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>\$ 3,700.00</td> <td></td> </tr> </table>   |              | \$ 3,700.00  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| \$ 3,700.00   |              |  |            |   |              |  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +   |              |  |            | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>\$ 0.00</td> <td></td> </tr> </table>   |              | \$ 0.00  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| \$ 0.00   |              |  |            |   |              |  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| TOTAL FEES ENCLOSED =   |              |  |            | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>\$ 3,700.00</td> <td></td> </tr> </table>   |              | \$ 3,700.00  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| \$ 3,700.00   |              |  |            |   |              |  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| Amount to be refunded:  |              |  |            | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>\$</td> <td></td> </tr> </table>  |              | \$   |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| \$  |              |  |            |   |              |  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| Amount to be charged:   |              |  |            | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>\$</td> <td></td> </tr> </table>  |              | \$   |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| \$  |              |  |            |   |              |  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.<br>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>03-3975</u> in the amount of <u>\$3,700.00</u> to cover the above fees. A duplicate copy of this sheet is<br>c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>03-3975</u> . A duplicate copy of this sheet is enclosed.<br>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. |              |  |            |   |              |  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| <b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.   |              |  |            |   |              |  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| SEND ALL CORRESPONDENCE TO:<br>ASLAN BAGHDADI<br>PILLSBURY WINTHROPSHAWPITTMANLLP<br>1650 TYSONS BOULEVARD<br>MCLEAN, VA22102<br>DATE AUGUST 10, 2006   |              |  |            |   |              |  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |
| <div style="text-align: right;"> <br/>           SIGNATURE<br/>           ASLAN BAGHDADI<br/>           NAME<br/>           34,542<br/>           REGISTRATION NUMBER         </div>  |              |  |            |   |              |  |            |              |           |           |            |   |         |             |            |   |  |             |  |         |  |